

IN THE CLAIMS:

Please replace claims 1 and 4 with amended claims 1 and 4 as follows:

1. An isolated non-murine mammalian pluripotential cell which can:

(a) be maintained on feeder layers for at least 20 passages; and

(b) give rise to embryoid bodies and multiple differentiated cell phenotypes in monolayer culture, wherein said cell has the potency characteristics of a cell derived from a primordial germ cell by the process of: (1) culturing a non-murine mammalian primordial germ cell in a composition comprising basic fibroblast growth factor, leukemia inhibitory factor, membrane associated steel factor, and soluble steel factor; (2) selecting cells that have characteristics (a) and (b) above, and (3) isolating said non-murine pluripotential cell; and wherein the characteristics of the cell include having a normal karyotype.

4. An isolated human pluripotential cell which can:

(a) be maintained on feeder layers for at least 20 passages; and

(b) give rise to embryoid bodies and multiple differentiated cell phenotypes in monolayer culture, wherein said cell has the potency characteristics of a cell derived from a primordial germ cell by the process of: (1) culturing a human primordial germ cell in a composition comprising basic fibroblast